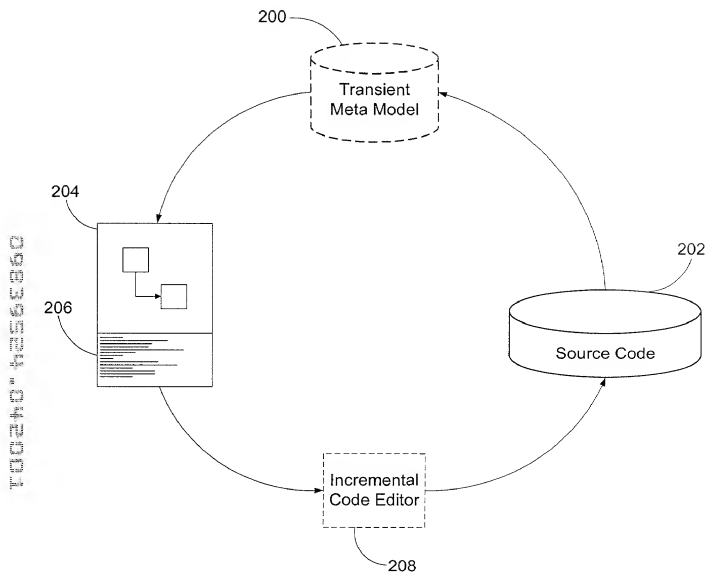
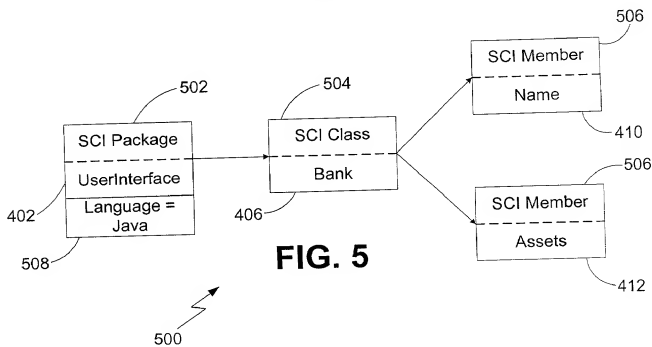
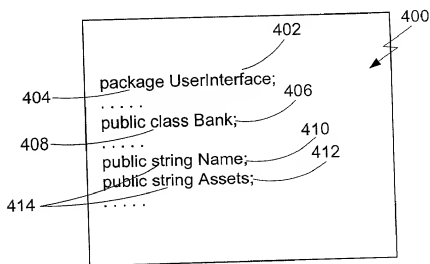
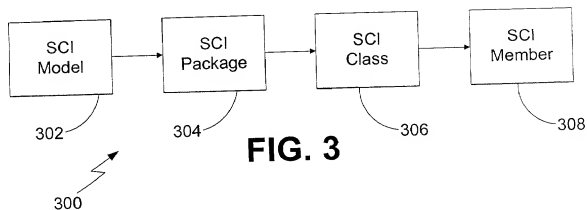
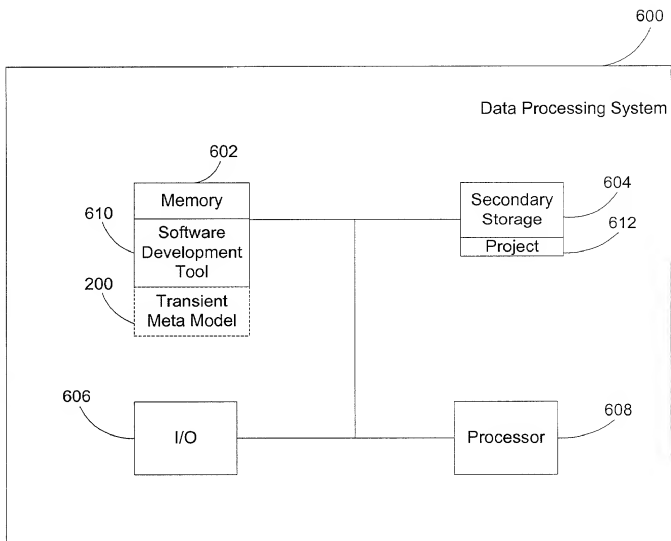


**FIG. 1**  
**(Prior Art)**

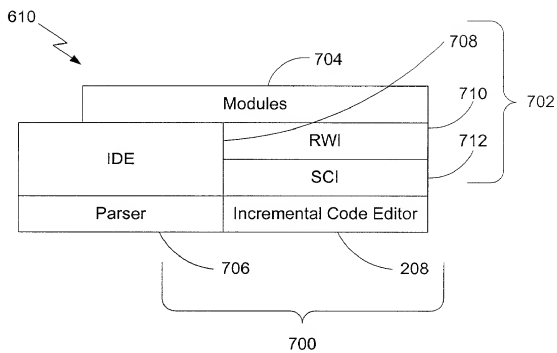


**FIG. 2**





**FIG. 6**



**FIG. 7**

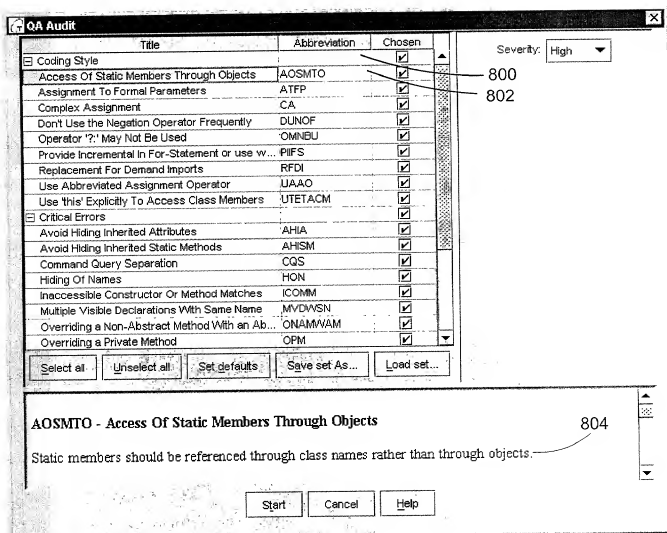


FIG. 8A

806

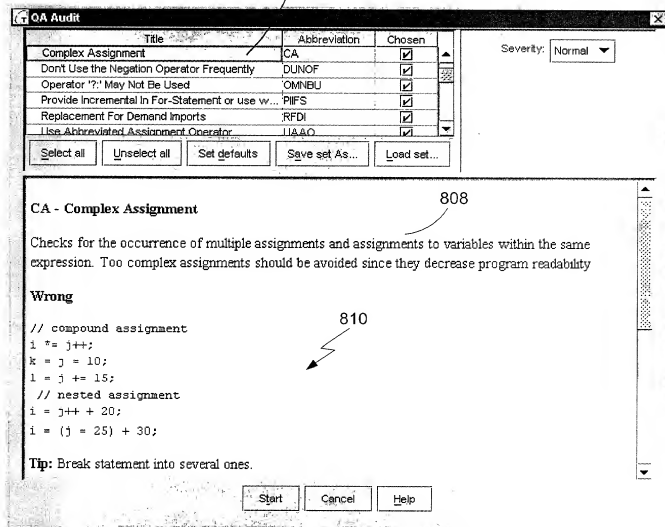


FIG. 8B

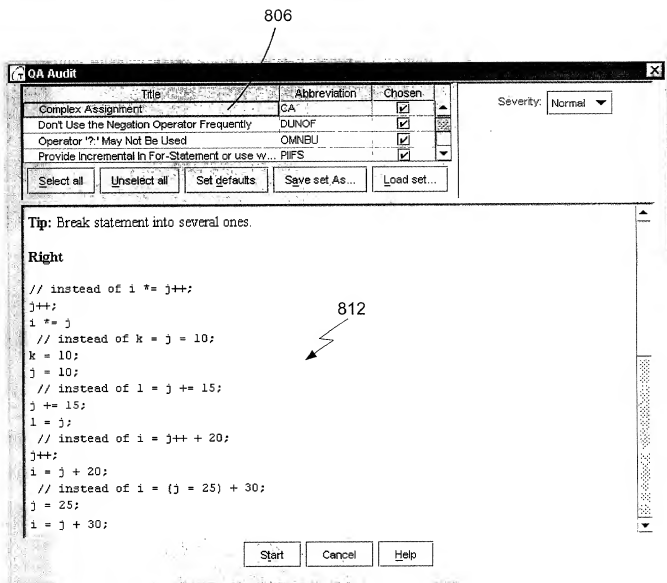
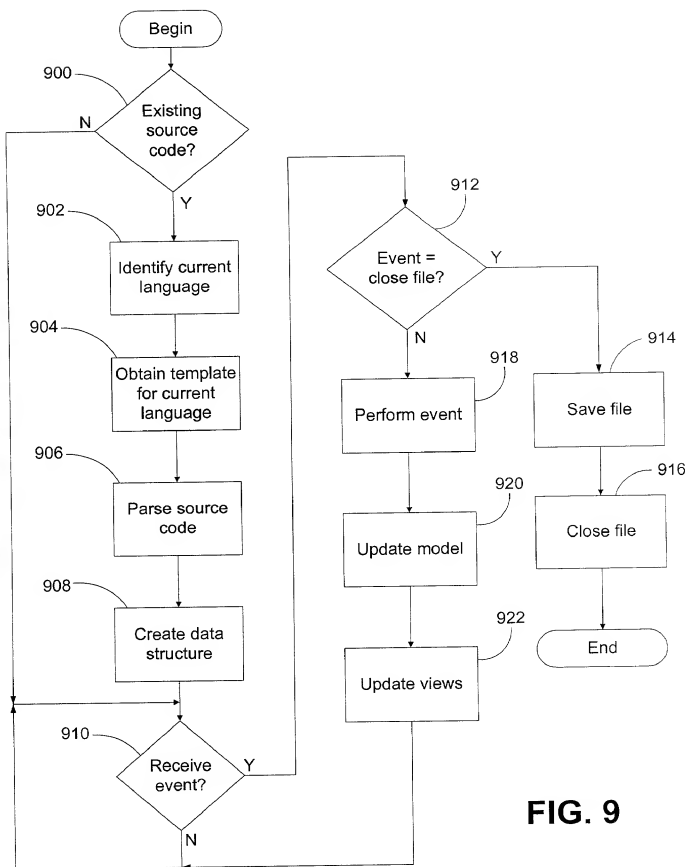
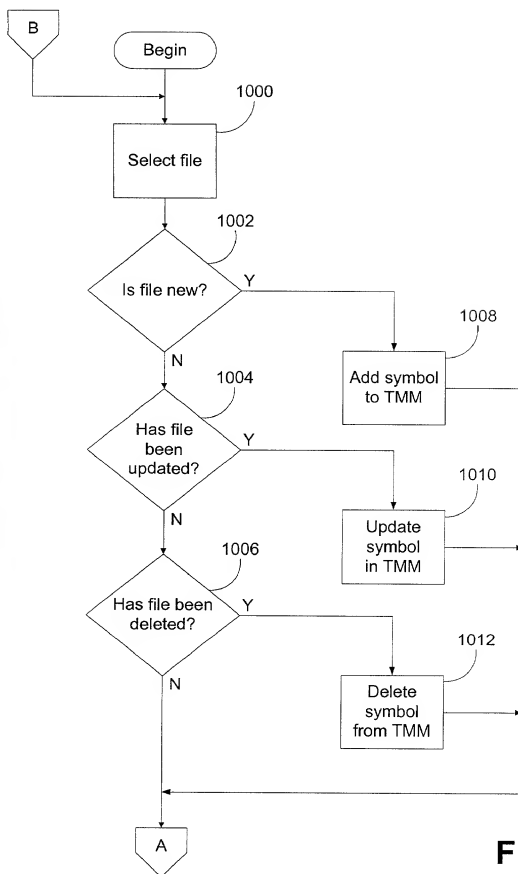


FIG. 8C

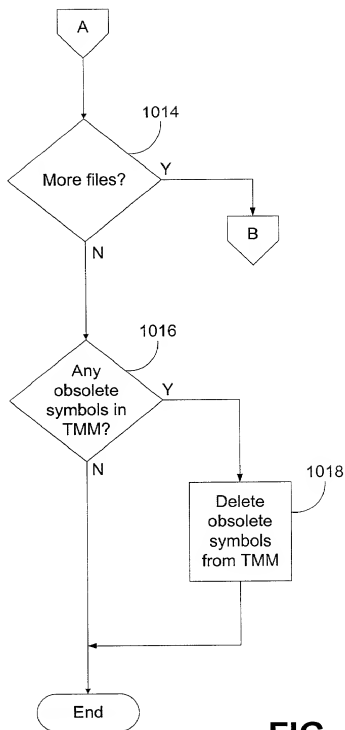




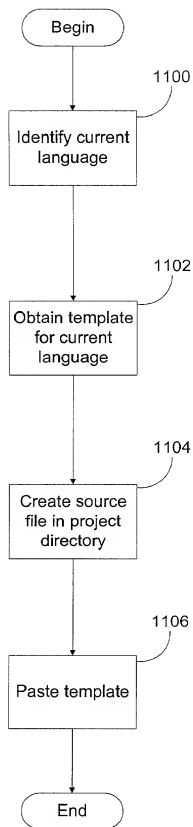
**FIG. 9**



**FIG. 10A**



**FIG. 10B**



**FIG. 11**

FIG. 12

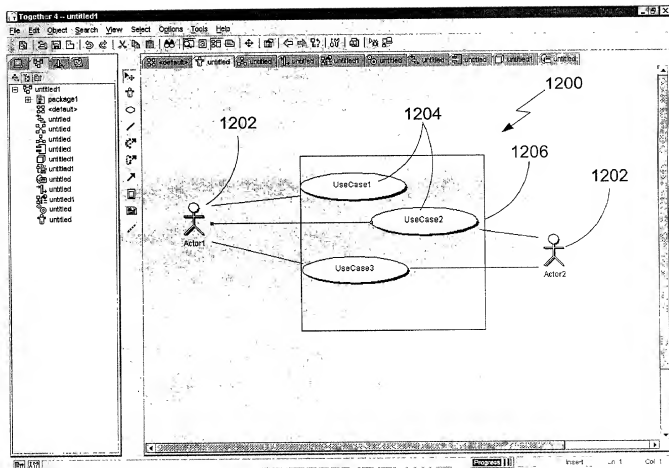


FIG. 12





00000571-012001

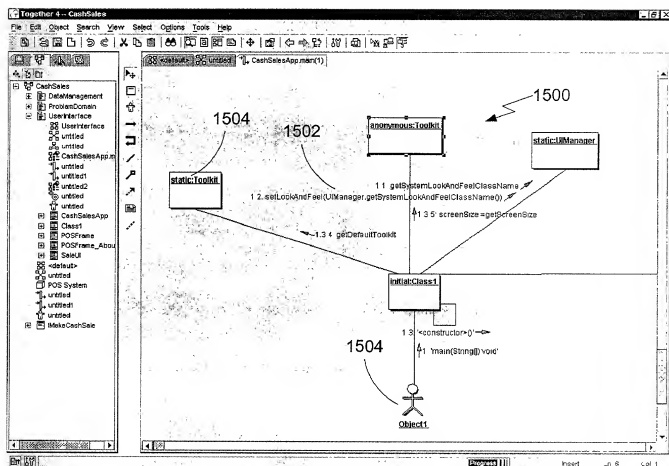


FIG. 15



100240-4250000

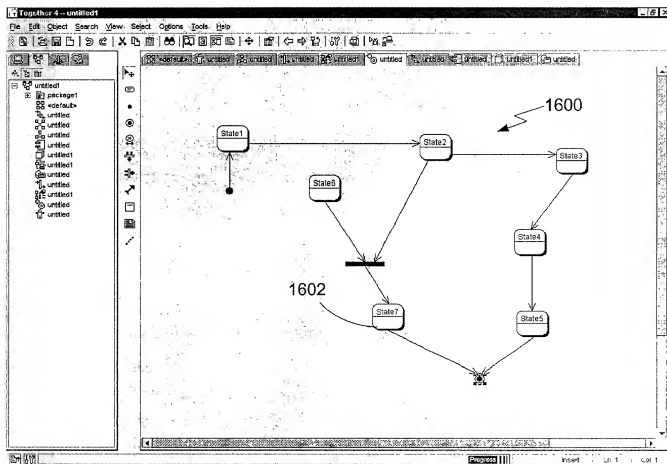


FIG. 16

00039524-447001

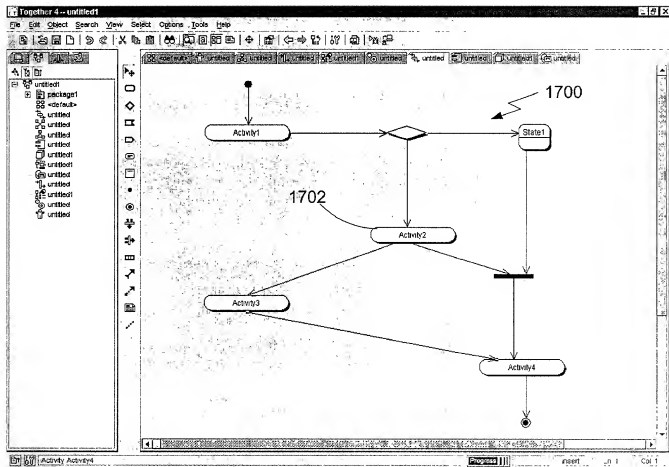


FIG. 17



00830574 012004

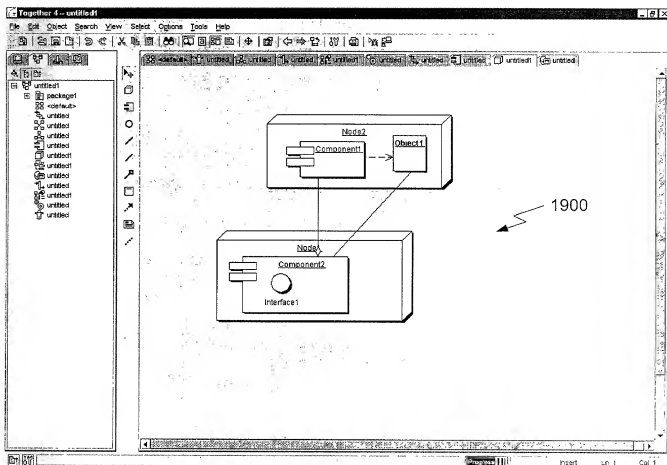
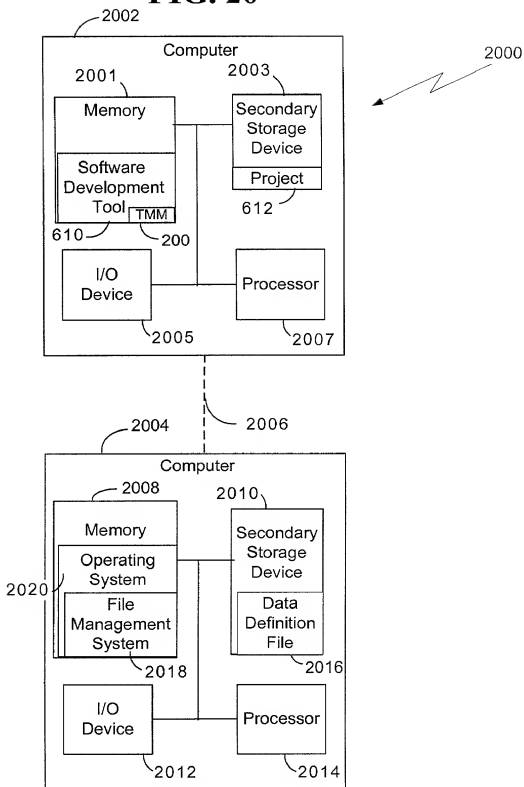
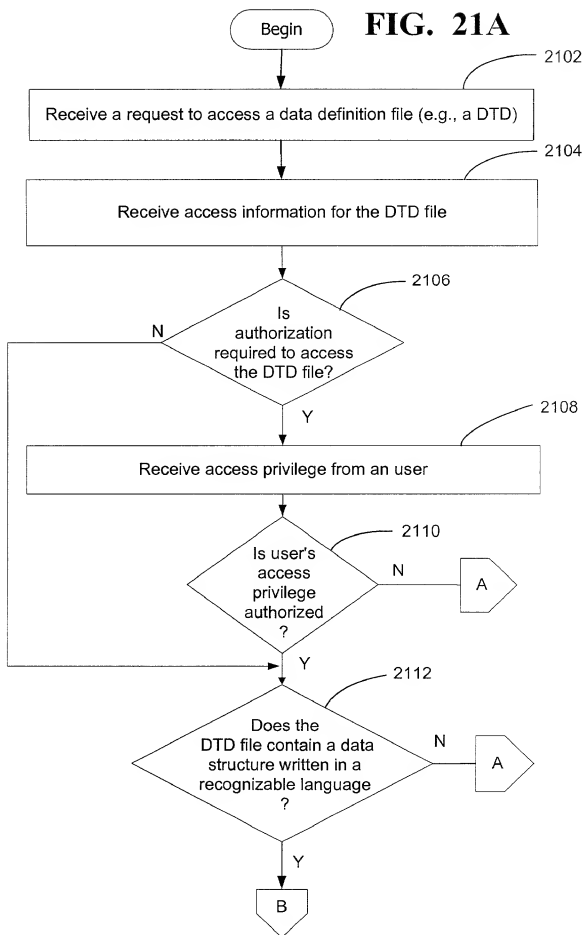


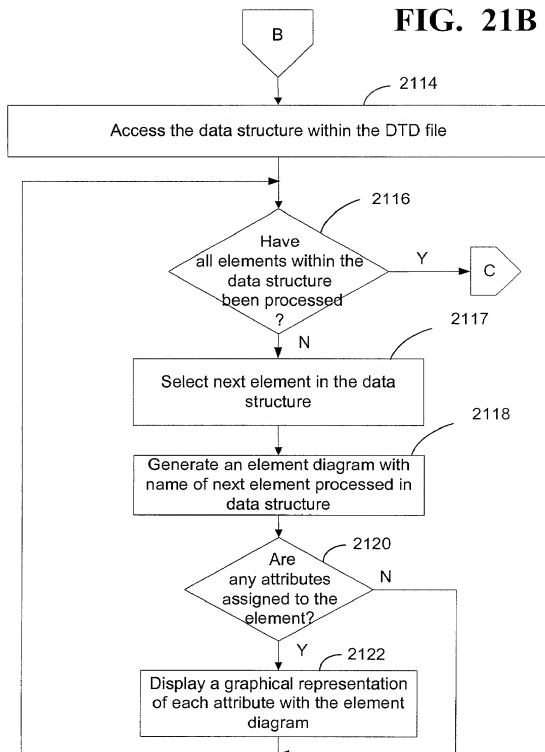
FIG. 19

# FIG. 20



**FIG. 21A**

**FIG. 21B**



**FIG. 21C**

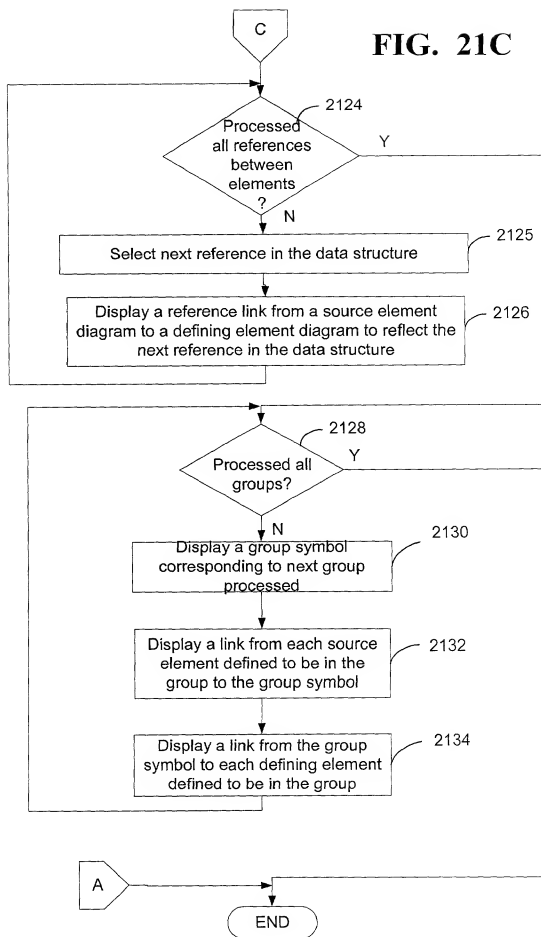




FIG. 22

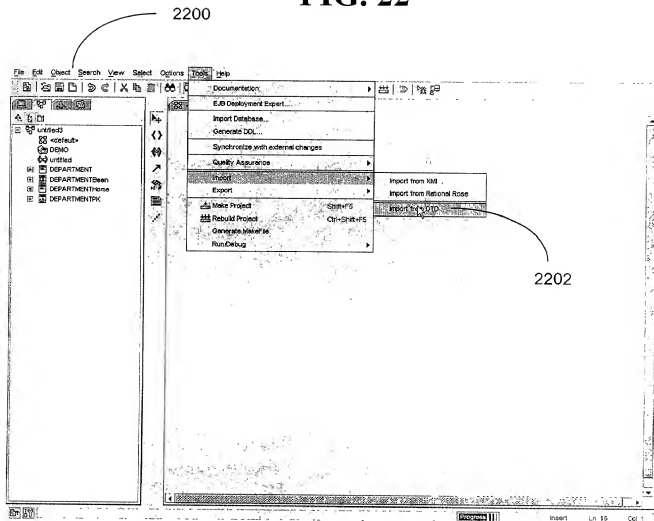
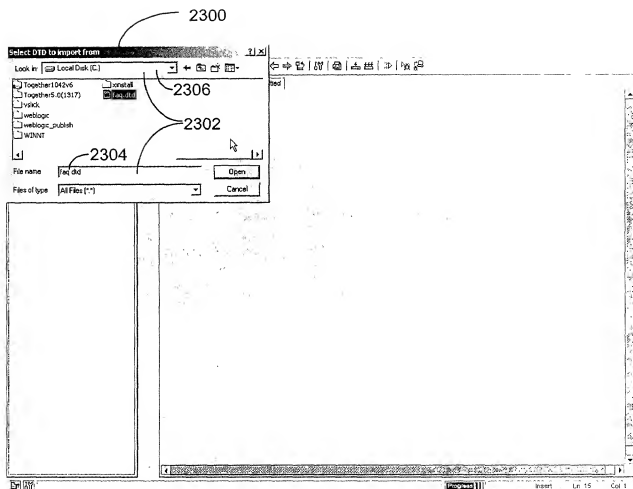


FIG. 23



0939524-012001

# FIG. 24

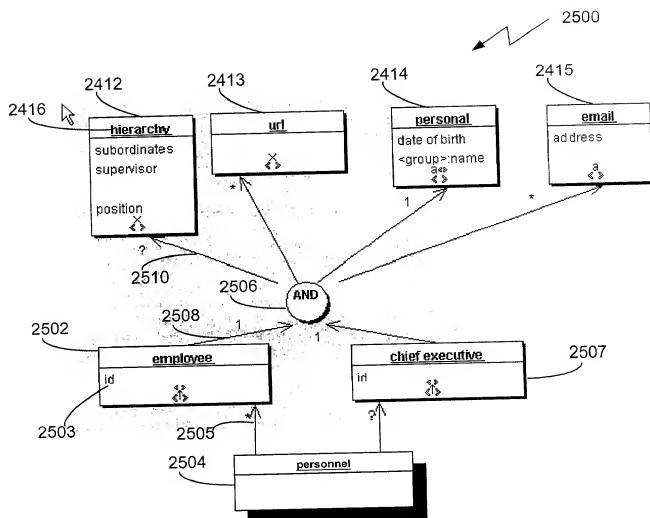
2402

```

<?xml version="1.0" encoding="ASCII"?>
<!-- Generated by Together -->
<!-- Processing instructions -->
<!-- Attribute entities -->
<!-- Reusable attribute is presented as an entity -->
<ENTITY % comment "comment CDATA #IMPLIED " >
<ENTITY % job_description "job_description CDATA #IMPLIED " >
<!-- Attribute group entities -->
<!-- Attribute groups are also presented as entity parameters-->
<ENTITY % name "first_name CDATA 'ivan' last_name CDATA #REQUIRED
second_name CDATA #IMPLIED " >
<!-- Model group entities -->
<!-- Model groups are presented as entity parameters as well -->
<ENTITY % xmlModelGroup1 "hierarchy? , url* , personal , email* " >
<!-- Elements -->
<!-- This is an element whose content is described in the Model Group 1 -->
<ELEMENT employee ( %xmlModelGroup1; )
<!-- Here are the sttributes of this element -->
<ATTLIST employee identifier CDATA #REQUIRED >
<ELEMENT chief_executive ( %xmlModelGroup1; ) >
<ATTLIST chief_executive identifier CDATA #REQUIRED >
<ELEMENT url EMPTY >
<ATTLIST url %job_description; >
<ELEMENT email (#PCDATA) >
<ATTLIST email address CDATA #IMPLIED %comment; >
<ELEMENT personal (#PCDATA) >
<!-- Attribute a-dtype describes non-standard types of the other attributes -->
<ATTLIST personal date_of_birth CDATA #REQUIRED %name; a-dtype
NMTOKENS "date_of_birth date " >
<ELEMENT hierarchy EMPTY >
<ATTLIST hierarchy subordinates IDREFS #IMPLIED supervisor ID #IMPLIED
%comment; position CDATA #REQUIRED >
<ELEMENT personnel (employee* , chief_executive? ) >
<!-- General entities -->
<ENTITY Entity1 "111">
<ENTITY Entity2 PUBLIC "e2" "e2" NDATA Notation1 >
<ENTITY Entity3 PUBLIC "e3" "e3" NDATA Notation2 >
<!-- Notations -->
<NOTATION Notation1 PUBLIC "n1" "n1" >
<NOTATION Notation2 PUBLIC "n2" "n2" >

```

FIG. 25



**FIG. 26A**

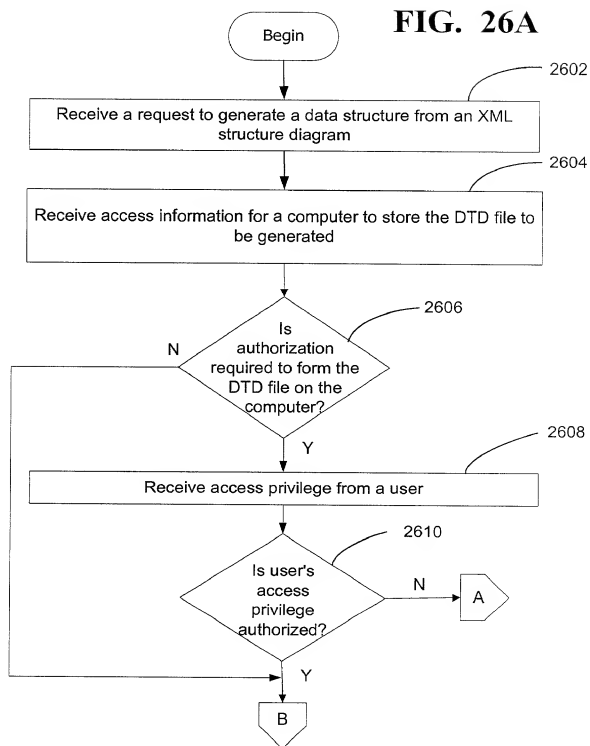


FIG. 26B

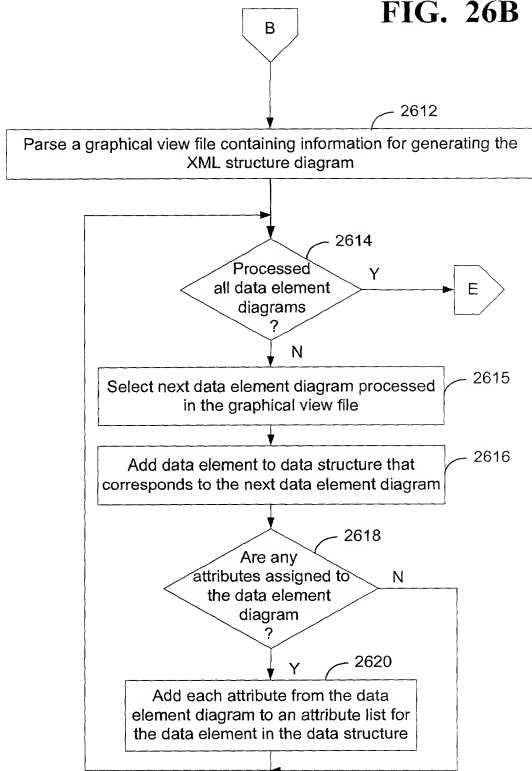
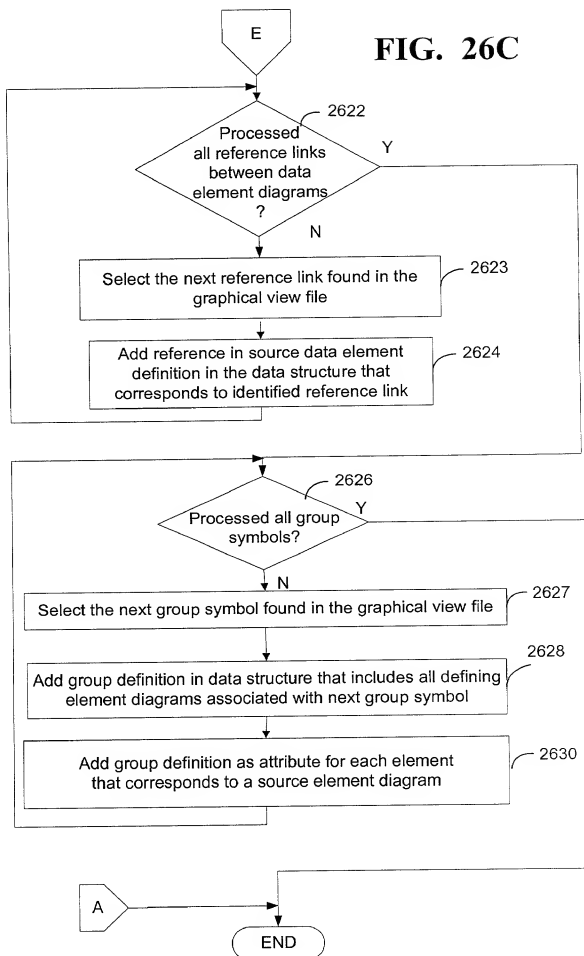


FIG. 26C



[illegible]



FIG. 28

